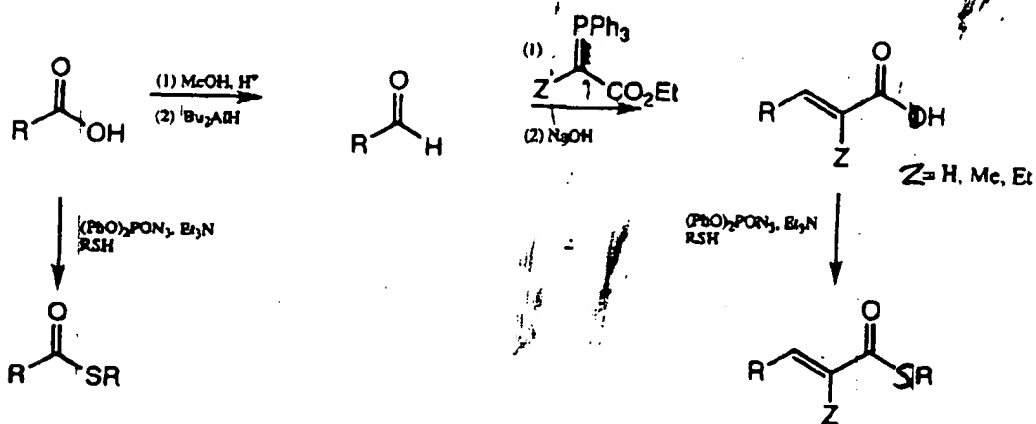
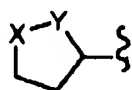


Figure 2

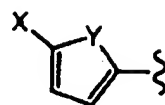
# Alternative Primers for Biosynthetic Epothilone Analogs



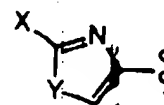
R =



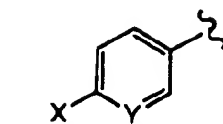
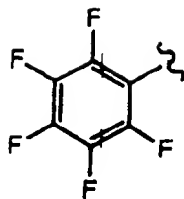
X = CH<sub>2</sub>, O, S  
 Y = CH<sub>2</sub>, O, S



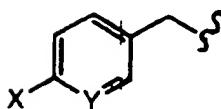
X = H, Me, Et, CH<sub>2</sub>OH, Br  
 Y = O, S



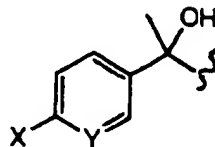
X = H, Me, Et, Br, OH  
 Y = NH, O, S



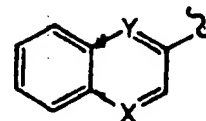
X = NO<sub>2</sub>, CN, Me, O-alkyl, halo, etc.  
 Y = CH, N



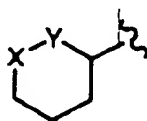
X = NO<sub>2</sub>, CN, alkyl, aryl, halo, O-alkyl, etc.  
 Y = CH, N



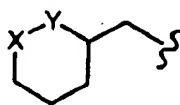
X = NO<sub>2</sub>, CN, alkyl, aryl, halo, O-alkyl, etc.  
 Y = CH, N



X = CH, N  
 Y = CH, N

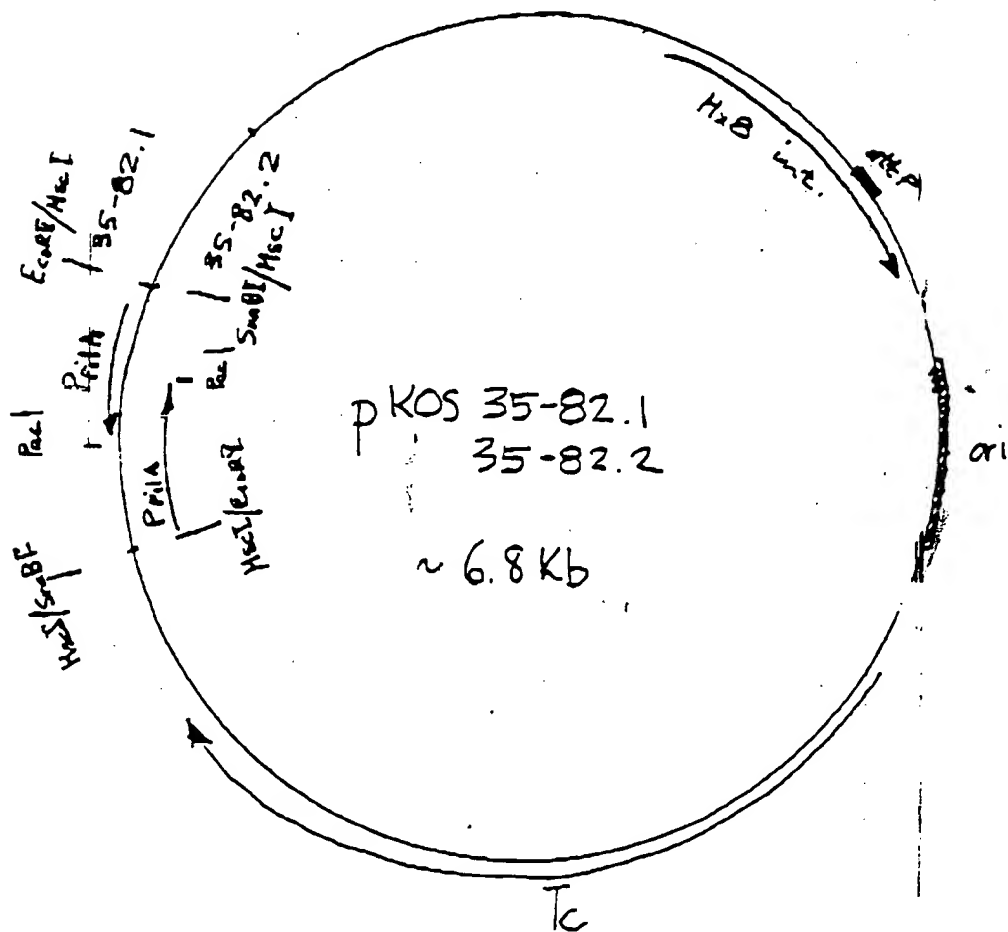
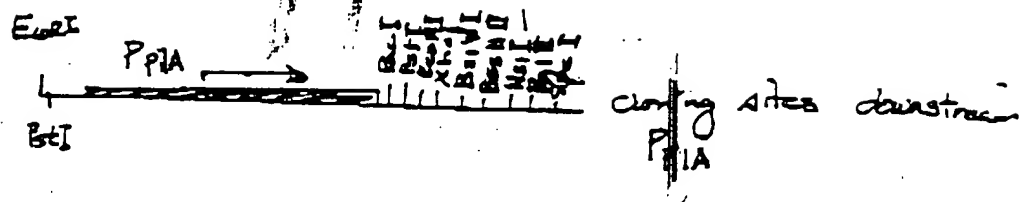


X = CH<sub>2</sub>, O, S, NH, N-alkyl, N-aryl  
 Y = CH<sub>2</sub>, O, S, NH, N-alkyl, N-aryl



X = CH<sub>2</sub>, O, S, NH, N-alkyl, N-aryl  
 Y = CH<sub>2</sub>, O, S, NH, N-alkyl, N-aryl

Figure 3



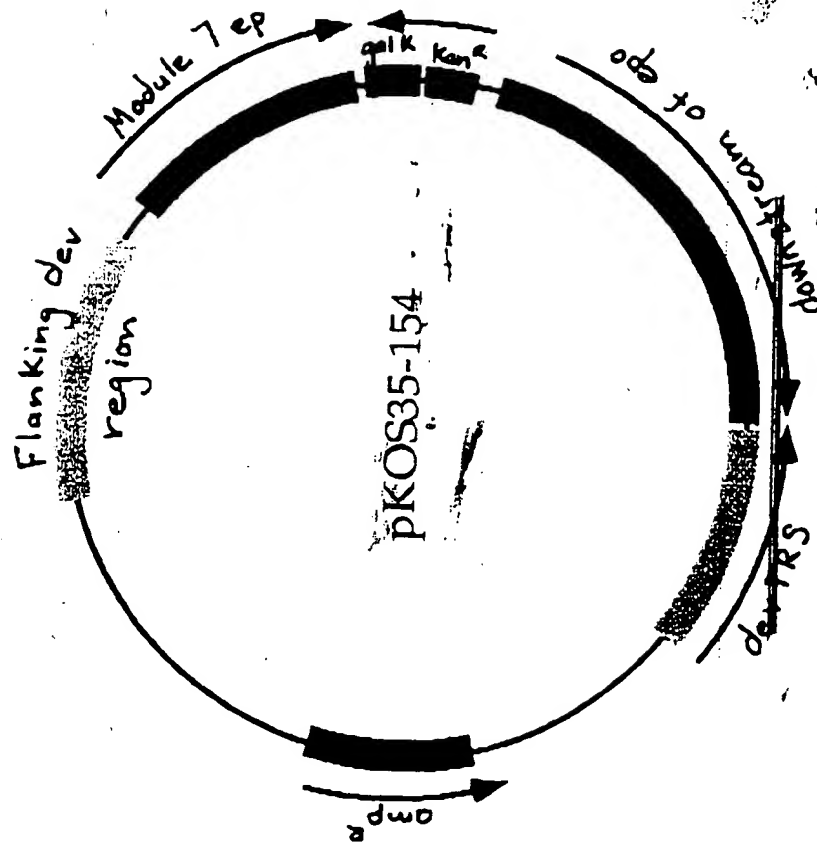
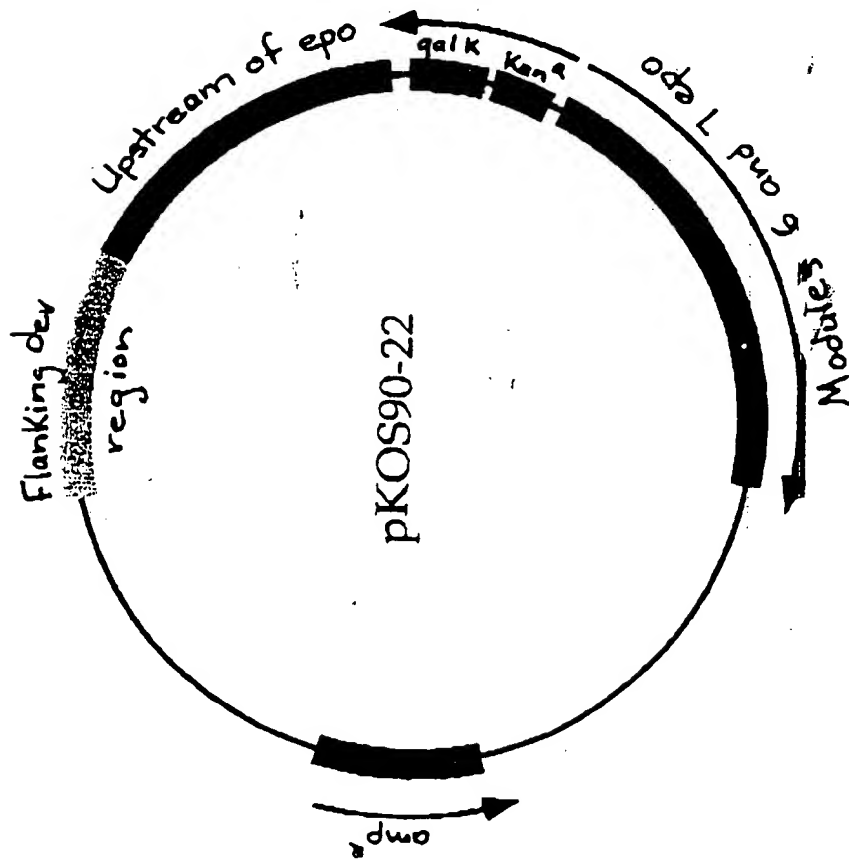


Figure 4

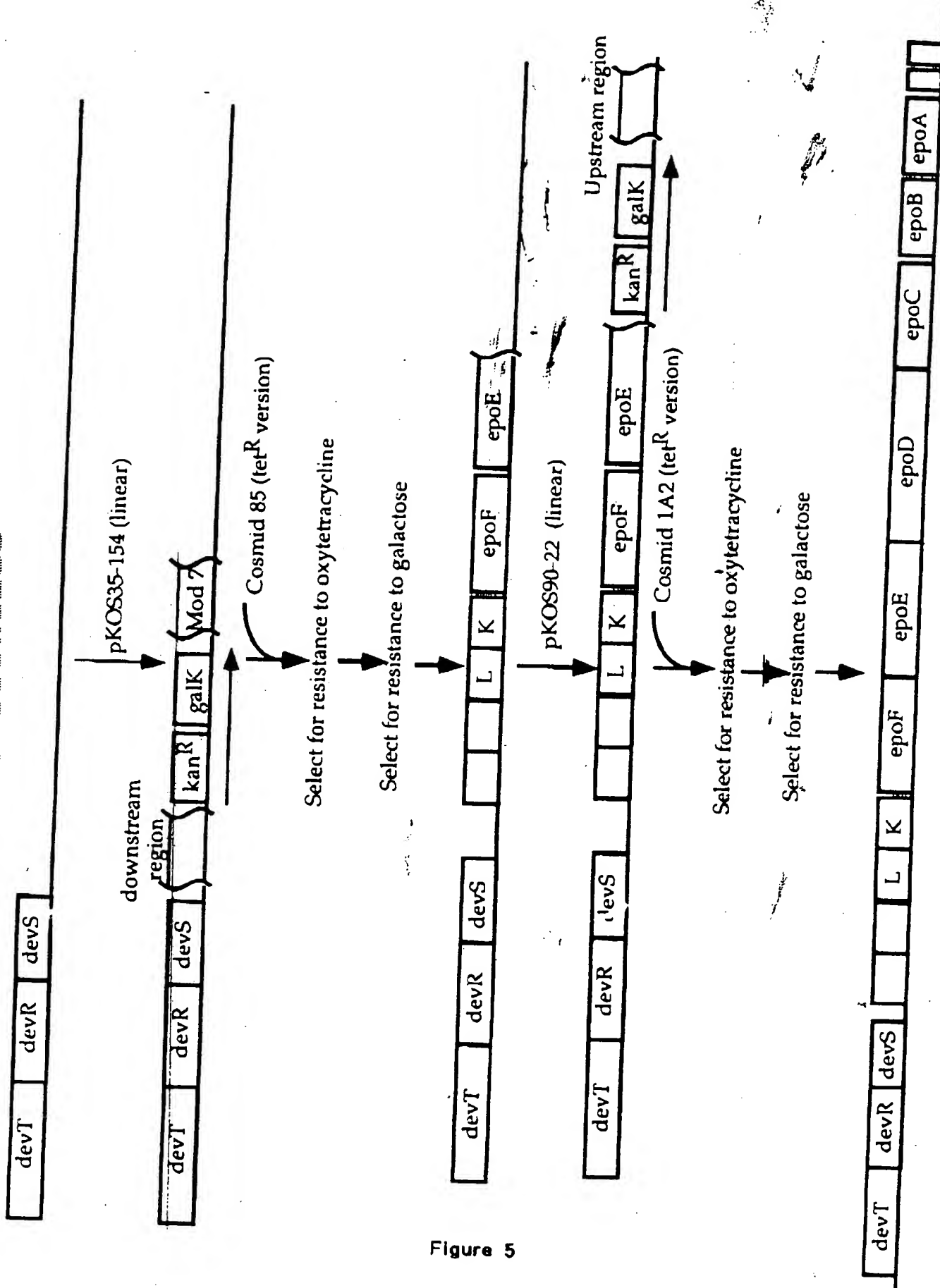
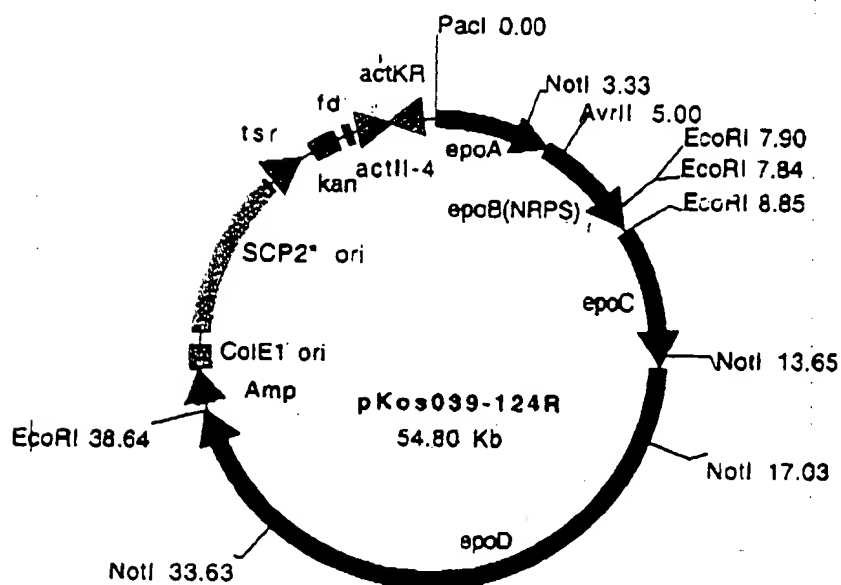
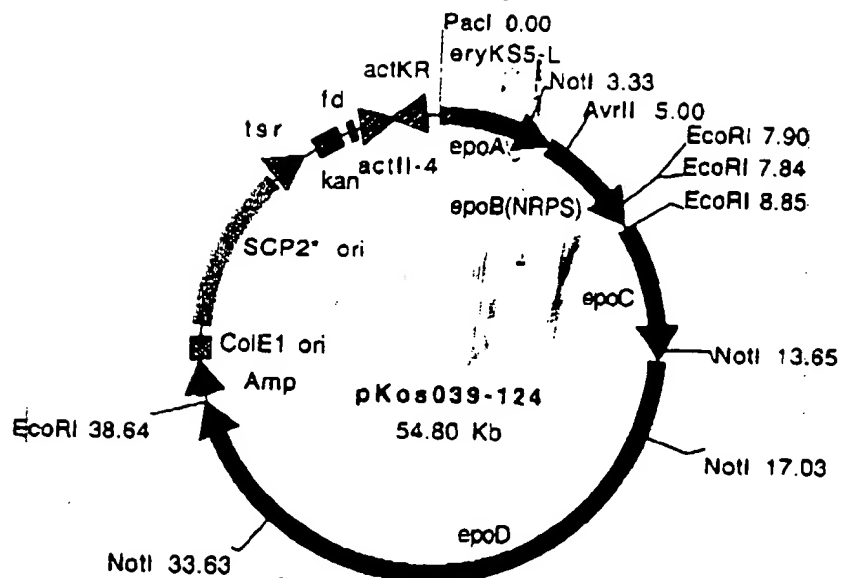


Figure 5

Figure 6



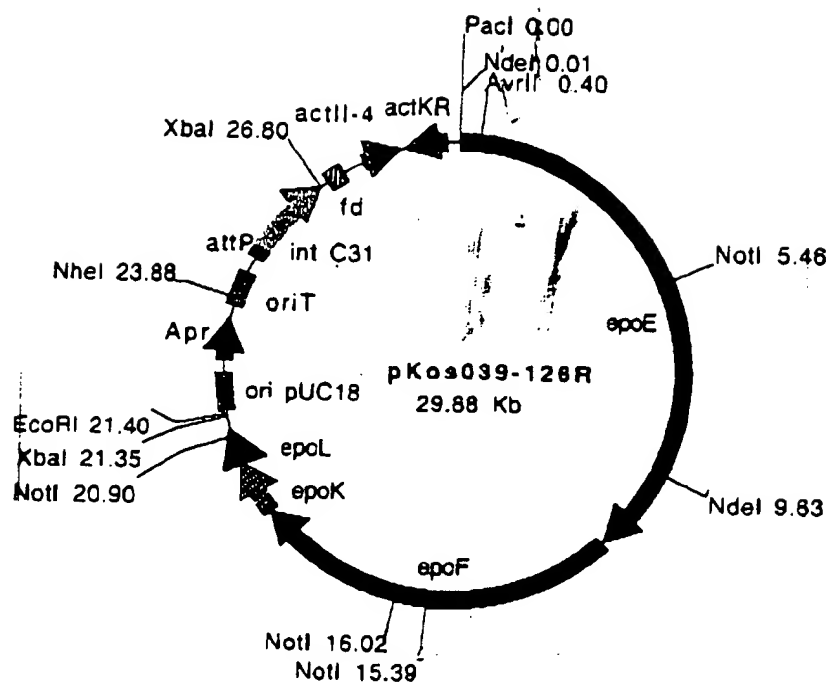


Figure 7

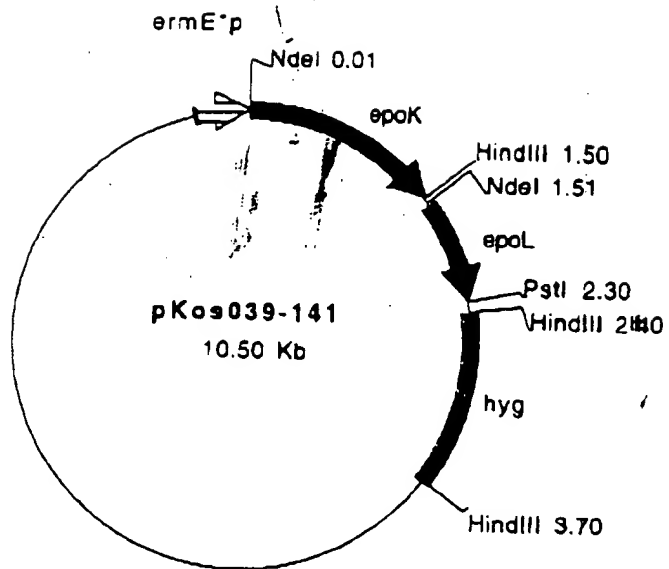
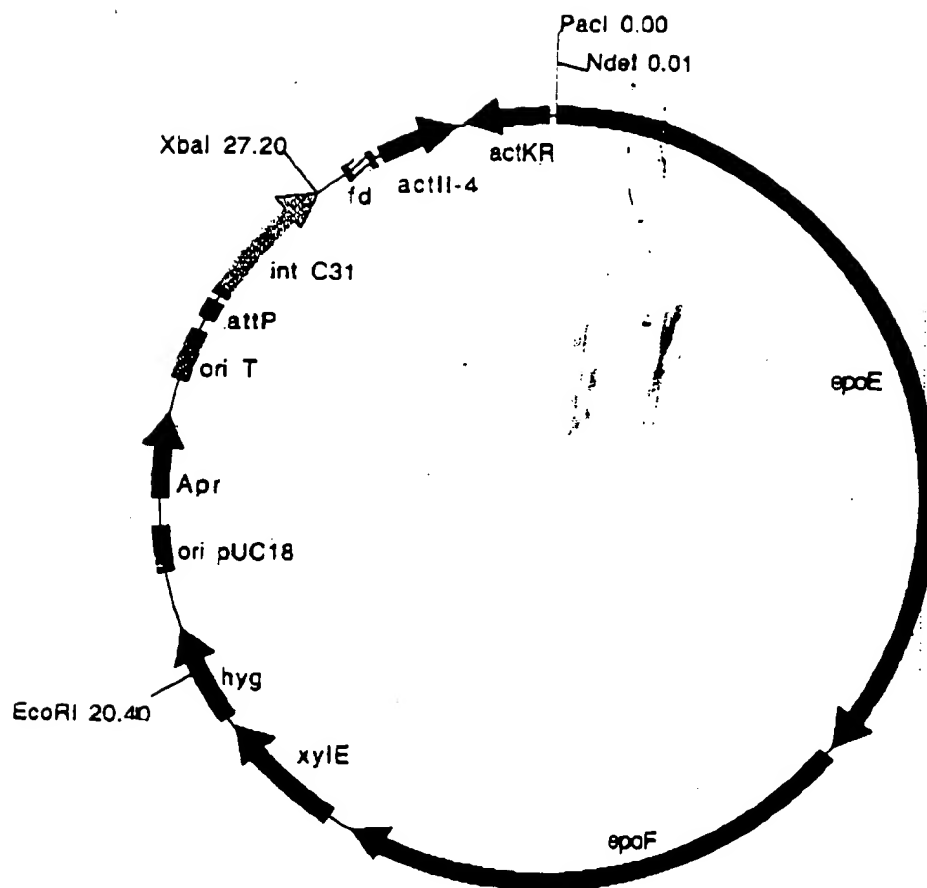


Figure 8





**pKos045-12**  
30.40 Kb

**Figure 9**